

REGION 9 LABORATORY ANALYTICAL SERVICES

10/2016

Field Analytical Capabilities

PARAMETER	METHOD	WATER	SOIL	OTHER
Volatile Organics	GC/MS	Y	Y	Ambient air
Metals	XRF		Y	
Mercury (Total)	CVAA	Y	Y	air
Mercury (Elemental, Reactive, Particulate)	CVAA			air
Drinking Water Microbiology (coliforms, E. coli)	9223	Y		
Radionuclides (gamma)	Gamma Spec		Y	
Radon	Rad 7			air
NO _x , SO _x , O ₃ , CO	various			air
Weather parameters	various			air

Laboratory Capabilities

Organic Chemistry

PARAMETER	METHOD	WATER	SOIL	OTHER
1,4-Dioxane	8270D	Y	Y	
EDB/DBCP	504.1	Y		
OC Pesticides	8081	Y	Y	
PCBs as Aroclors	8082	Y	Y	Y
Diazinon	ELISA	Y		
Microcystins	ELISA	Y		
Semivolatile Organics	8270D	Y	Y	
PAHs - Low Level	8270D (SIM)	Y	Y	
Chlorophenols - Low Level	8270C (SIM)	Y		
Volatile Organics	8260B	Y	Y	
Volatile Organics	524.2	Y		
Volatile Organics	TO-15			soil vapor, indoor and ambient air

Volatile Organics	Radiello D1			Ambient air on passive sampling cartridge
1,2,3-trichloropropane (low level)	California - GC/MS	Y		
Methane, ethane, ethane, CO2	RSK-175	Y		
Total Petroleum Hydrocarbons - Gasoline Range Organics	8015B	Y	Y	
Total Petroleum Hydrocarbons - Diesel Range Organics (TPH-DRO)	8015B	Y	Y	

Analyses highlighted in yellow may also be available from Superfund CLP.

Metals / Physical Testing

PARAMETER	METHOD	WATER	SOIL	OTHER
TCLP or SPLP (metals, SVOCs, PEST)	1311 or 1312	Y	Y	Y
California STLC	Cal WET		Y	Y
<i>In Vitro</i> Bioaccessibility	1340		Y	
Metals (ICP)	200.7	Y		
Metals (ICP)	6010B		Y	Y
Metals (ICP/MS)	200.8	Y		
Lead (ICP/MS)	EQL-0710-192			TSP air filters
Metals (XRF)	XRF		Y	
Mercury (CVAA)	245.1	Y		
Mercury (CVAA)	7473 / 7471B		Y	Y
Mercury (CVAF)	1631	Y		
Methyl Mercury	1630	Y		
Platinum Group Metals	XRF			Catalytic converters
Hexavalent Chromium	218.6	Y		
pH in soil	9045		Y	

Analyses highlighted in yellow may also be available from Superfund CLP.

General Chemistry

PARAMETER	METHOD	WATER	SOIL	OTHER
Alkalinity	2320	Y		

Ammonia	350.1	Y		
Anions (NO ₂ , NO ₃ , SO ₄ , o-PO ₄ , Cl, F, Br)	300.0	Y	Y	
Perchlorate	314.0 or 331.0	Y	Y	
BOD	5210B	Y		
Cyanide (Total)	10-204-00-1-X	Y	Y	
Hardness	2340C	Y		
Nitrate/Nitrite-N	353.2	Y		
Total Phosphorus	365.4	Y		
Sulfide	4500-S ²⁻	Y		
Specific Conductance	120.1	Y		
pH	4500-H ⁺	Y		
Total Dissolved Solids (TDS)	2540C	Y		
Total Suspended Solids (TSS)	2540D	Y		
Settleable Matter	2540F	Y		
Suspended Sediment Concentration	ASTM D3977	Y		
Turbidity	180.1	Y		
Total Kjeldahl Nitrogen (TKN)	351.2	Y		
Total Organic Carbon (TOC)	415.3	Y		

Biological Testing

PARAMETER	METHOD	WATER	SOIL	OTHER
10-day marine amphipod survival toxicity test	100.4	Y - pore water	Y -sediment	
Acute mysid toxicity test	EPA/600/4-90/027F	Y		
Acute mysid toxicity test	40CFR, Part 435, Subpart A, Appendix 2			drilling mud
Red abalone larval development toxicity test	EPA/600/R-95/136	Y		
Sea urchin embryo larval development toxicity test	EPA/600/R-95/136	Y - pore water, effluent		
Sea urchin and sand dollar fertilization toxicity test	1008.0	Y		

Fathead minnow Larval Survival and Growth Test	1000.0	Y		
Green Alga Growth Test	1003.0	Y		
Freshwater Acute toxicity tests with Daphnids or Fathead minnow	EPA/600/4/90/027F ²	Y		
Total Coliforms	9223	Y	Y	
<i>E. coli</i>	9223	Y	Y	
<i>Enterococcus</i>	Enterolert	Y	Y	
Heterotrophic Plate Count	9215	Y		
Chlorophyll A	10200	Y		periphyton
Ash Free Dry Mass	EMAP		Y	periphyton